

F | G. I

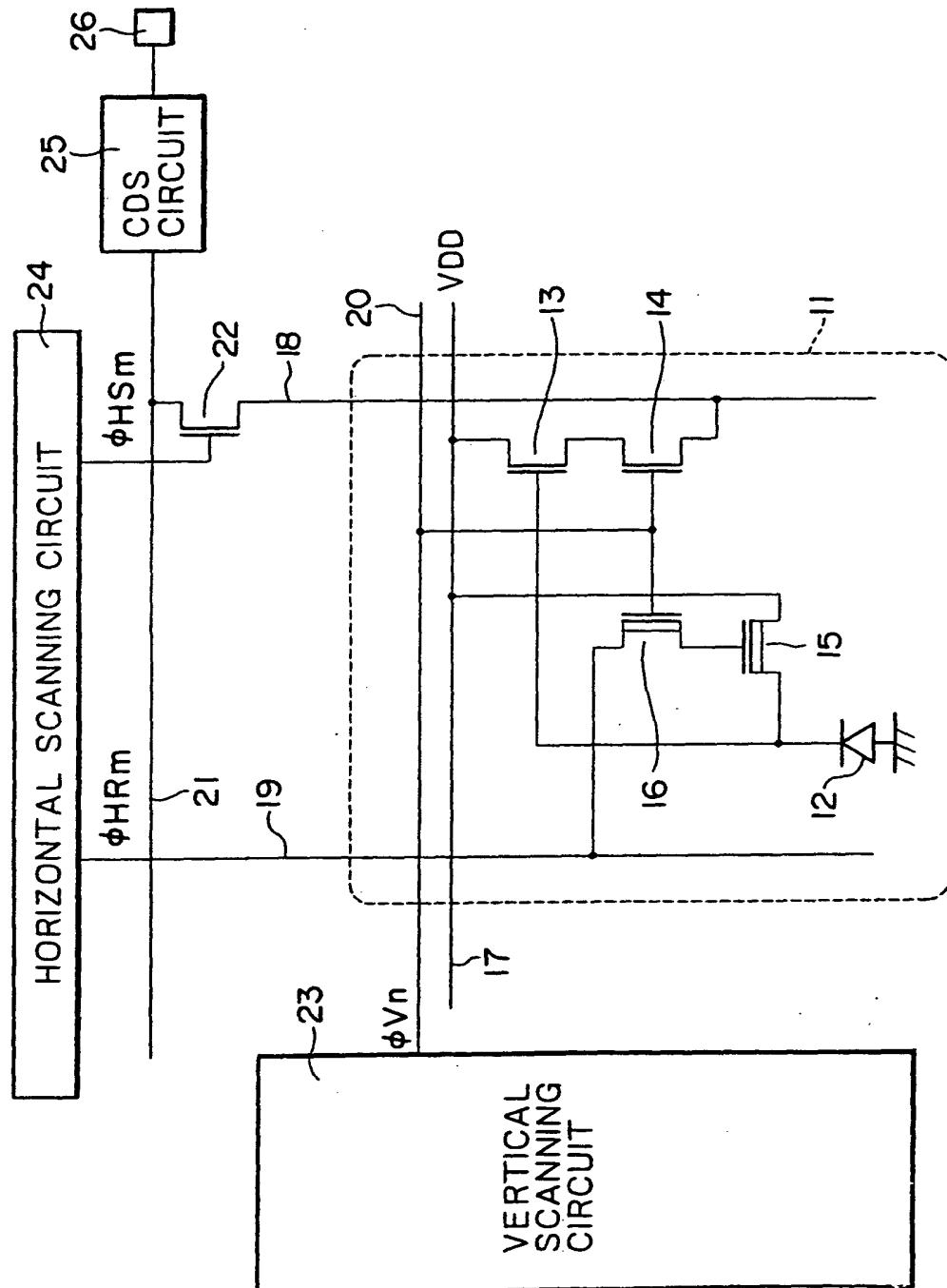


FIG. 2

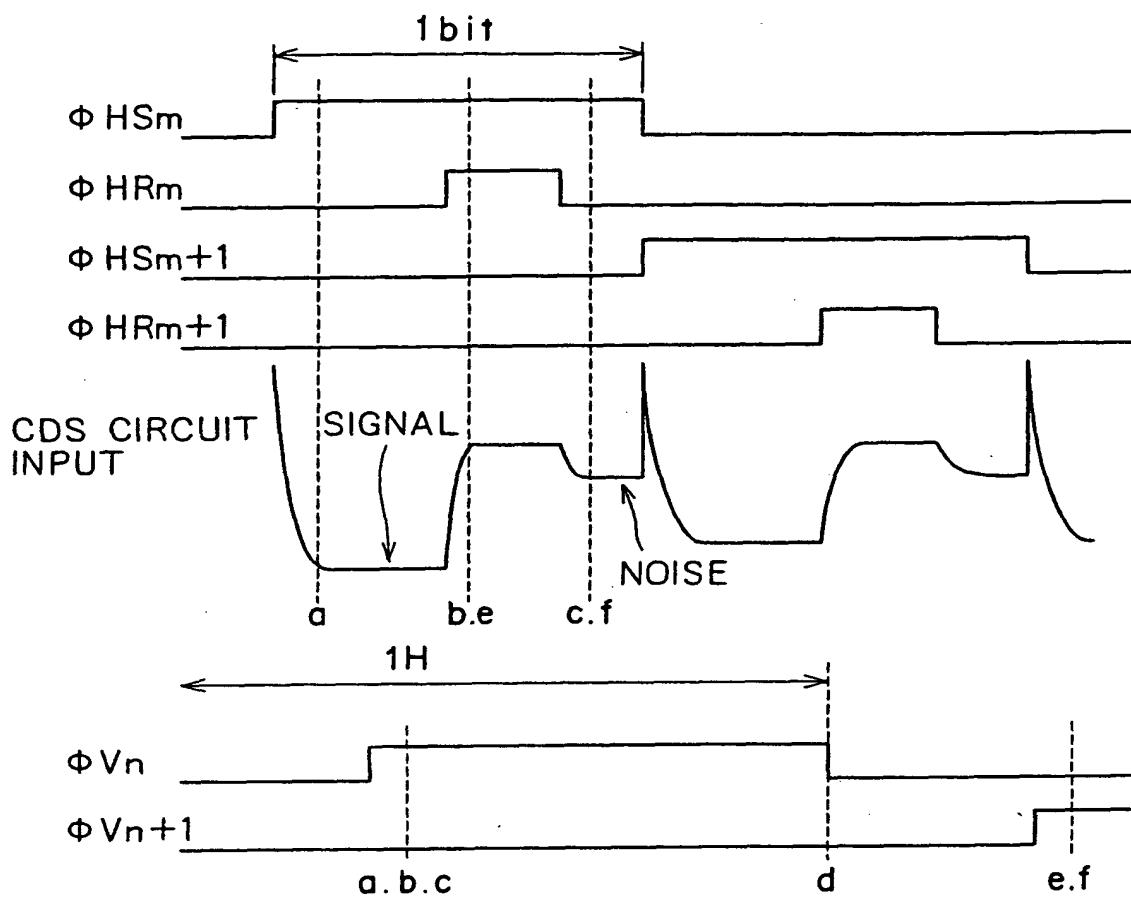


FIG. 3

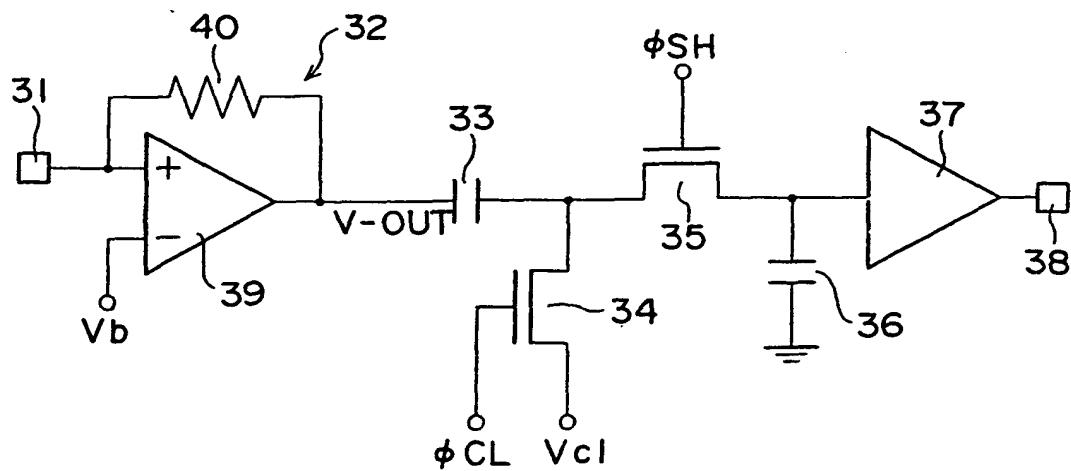


FIG. 4A

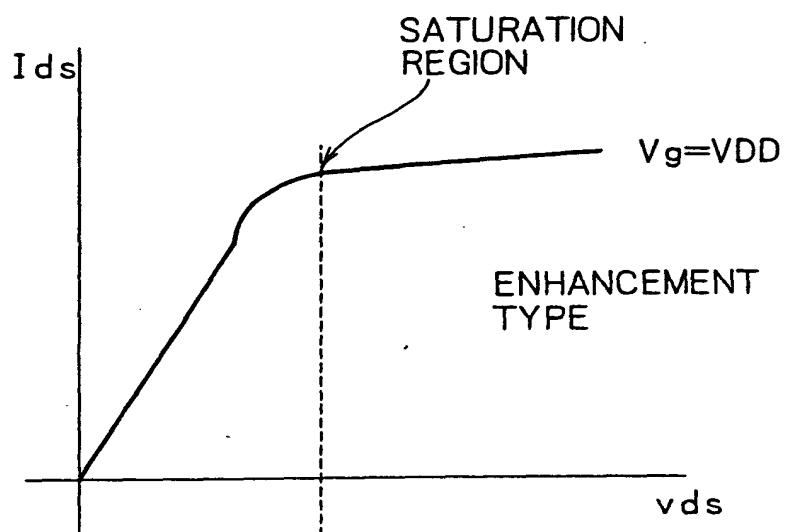
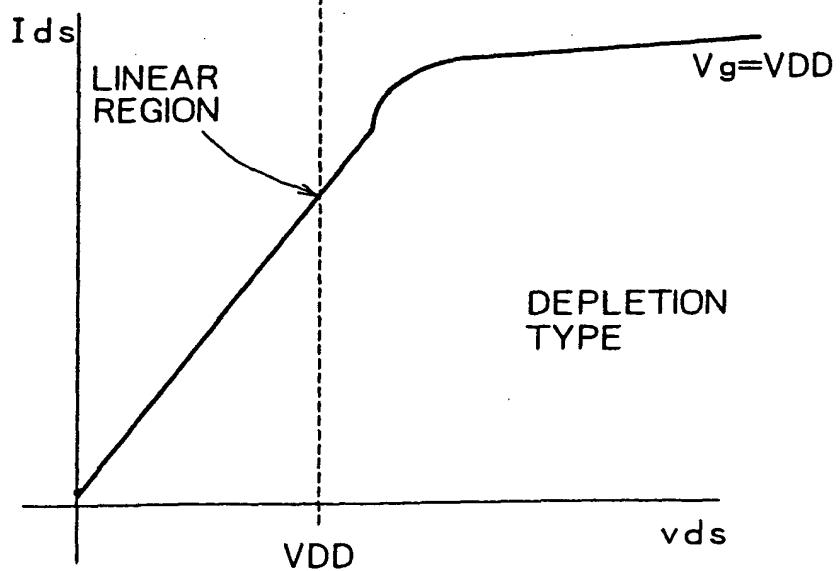
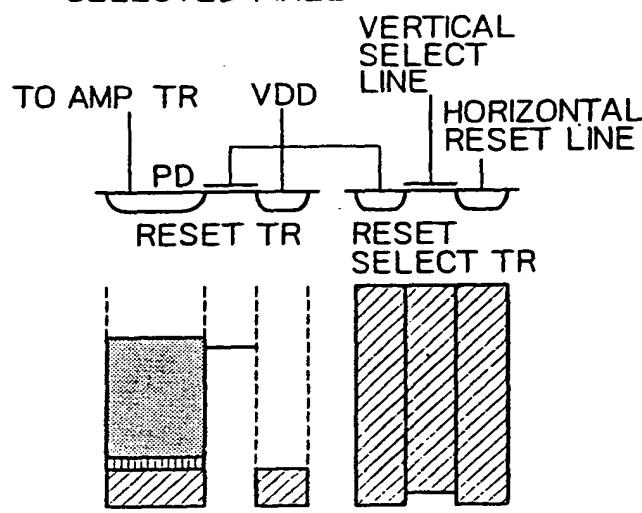


FIG. 4B

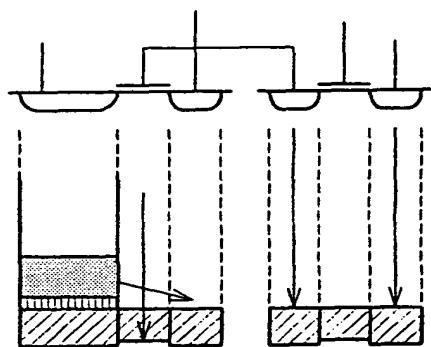


F I G . 5

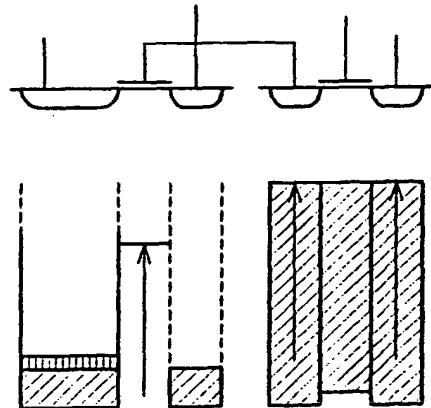
a: SIGNAL READ:
SELECTED PIXEL



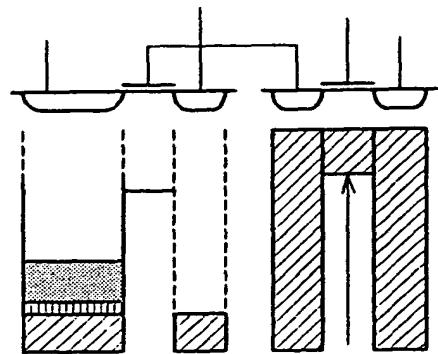
b: PIXEL RESET:
SELECTED PIXEL



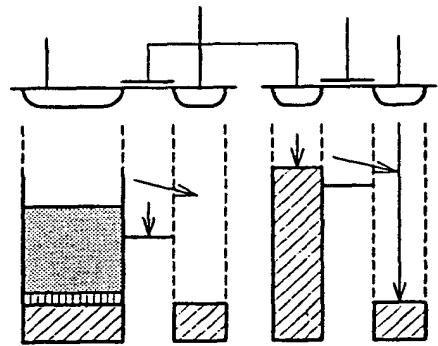
c: NOISE LEVEL READ:
SELECTED PIXEL



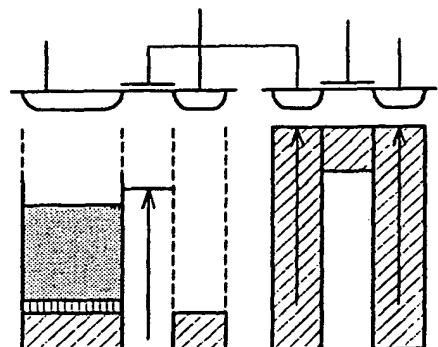
d: STORAGE



e: PIXEL RESET:
NONSELECTED PIXEL



f: NOISE LEVEL READ:
NONSELECTED PIXEL



DRAIN LEVEL
 SIGNAL CHARGE
 RESET GATE FEEDTHROUGH

FIG. 6

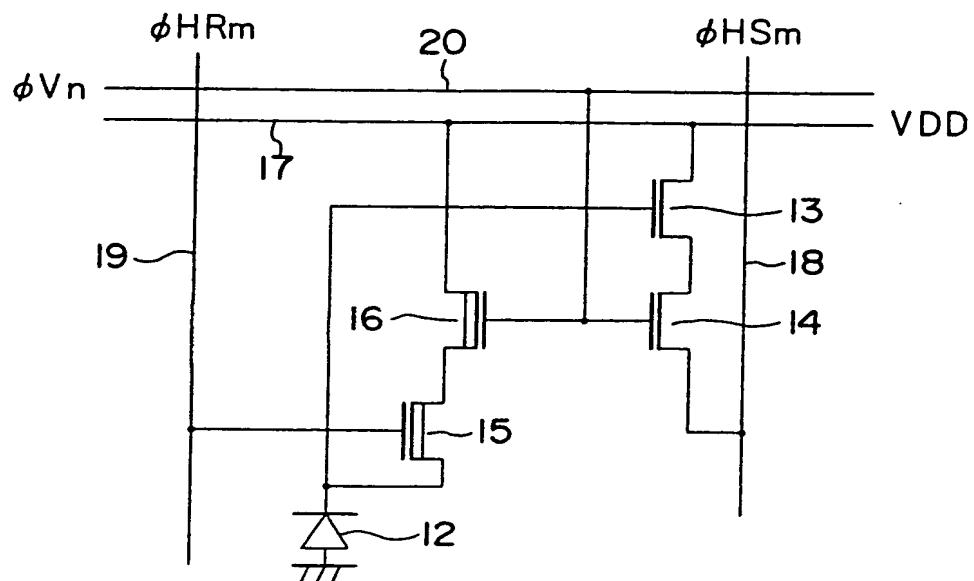


FIG. 7

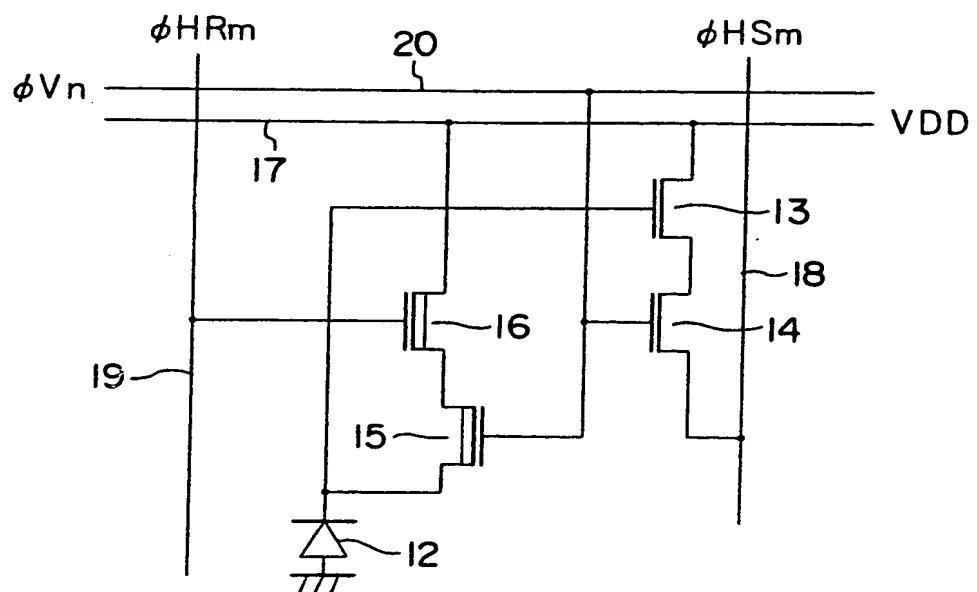


FIG. 8

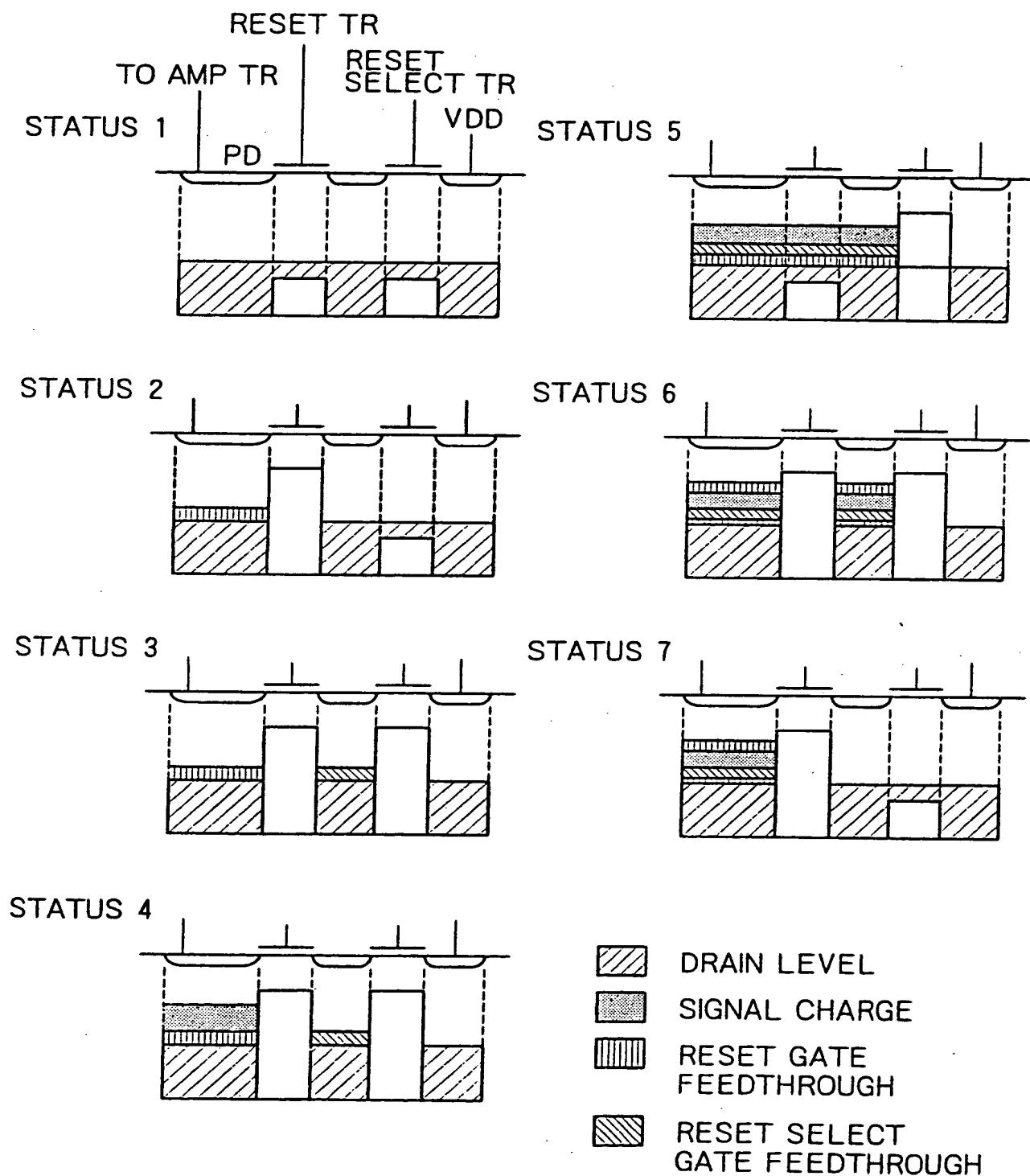


FIG. 9

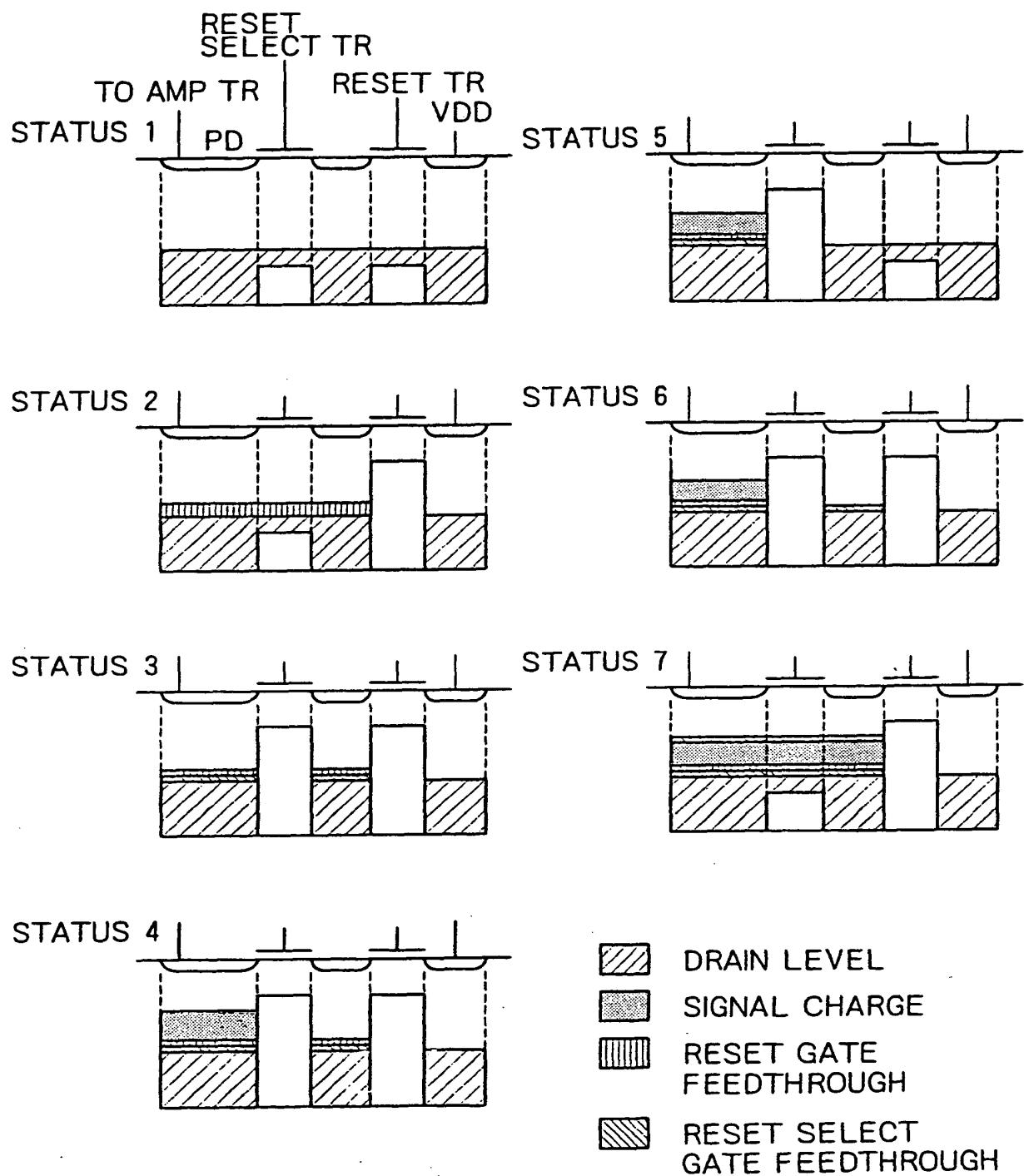


FIG. 10

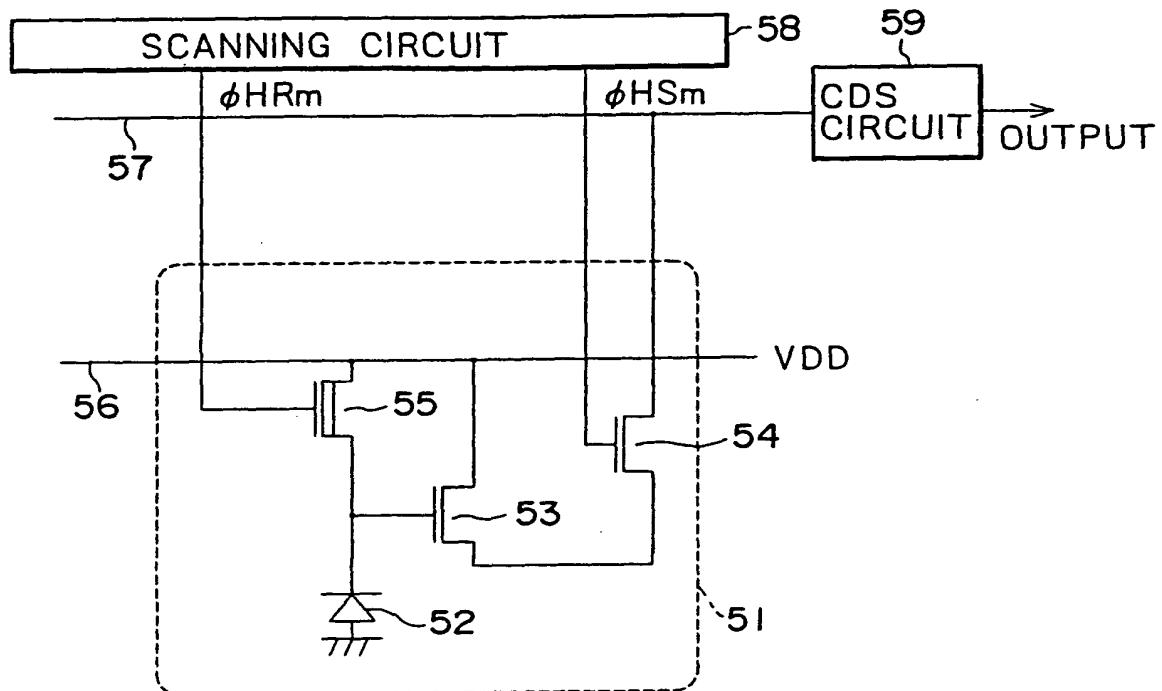


FIG. 11

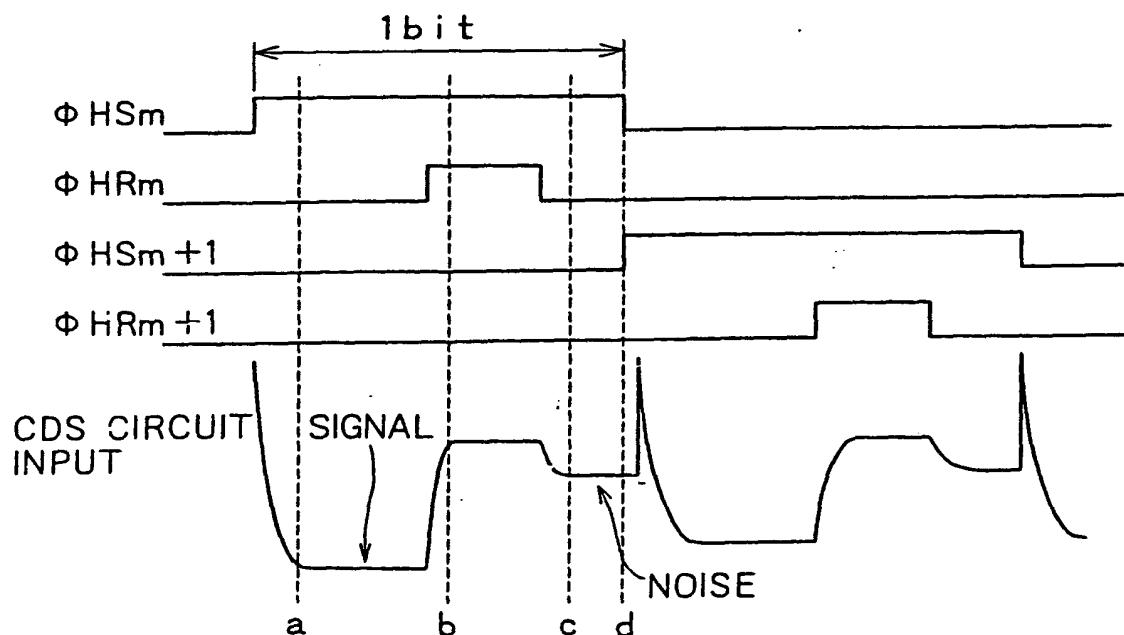
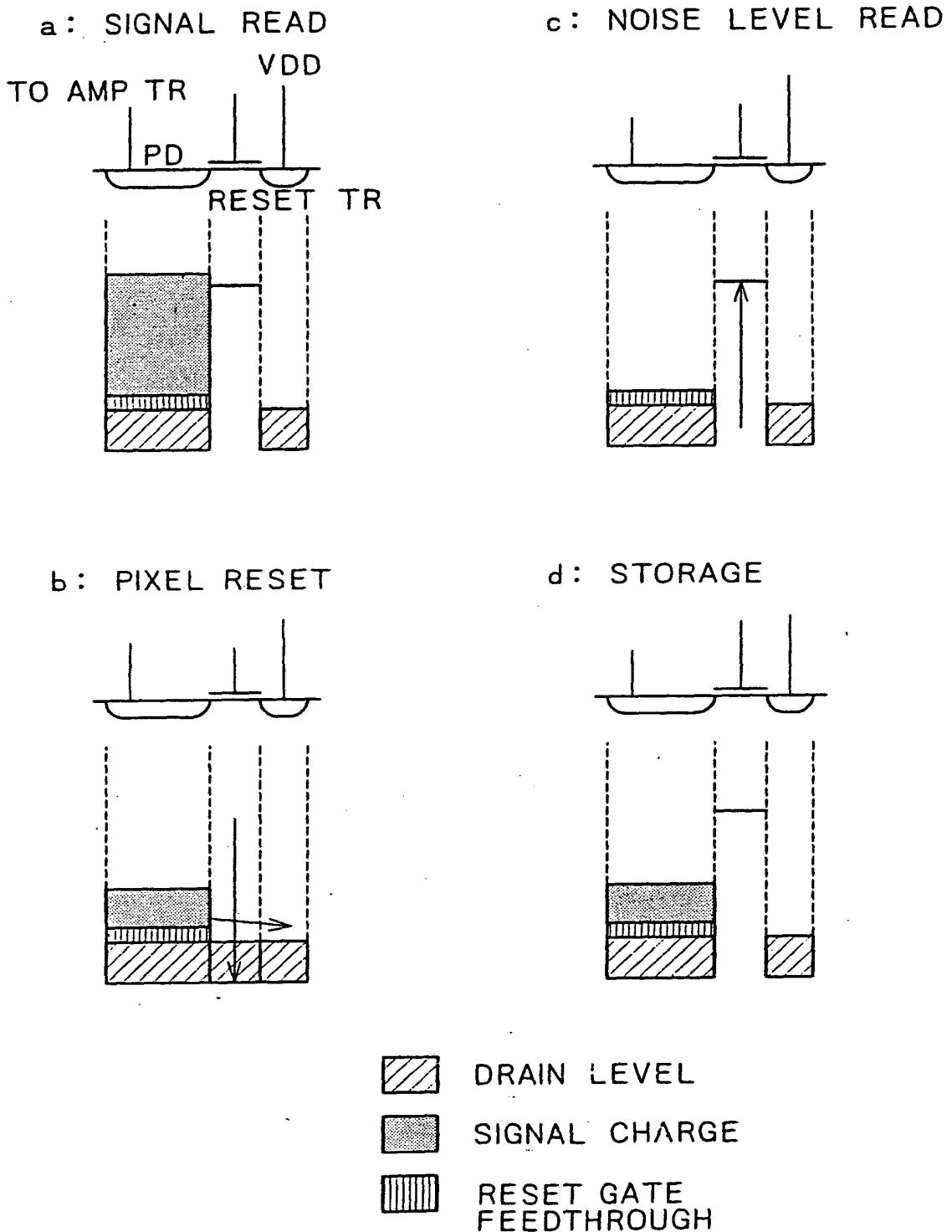
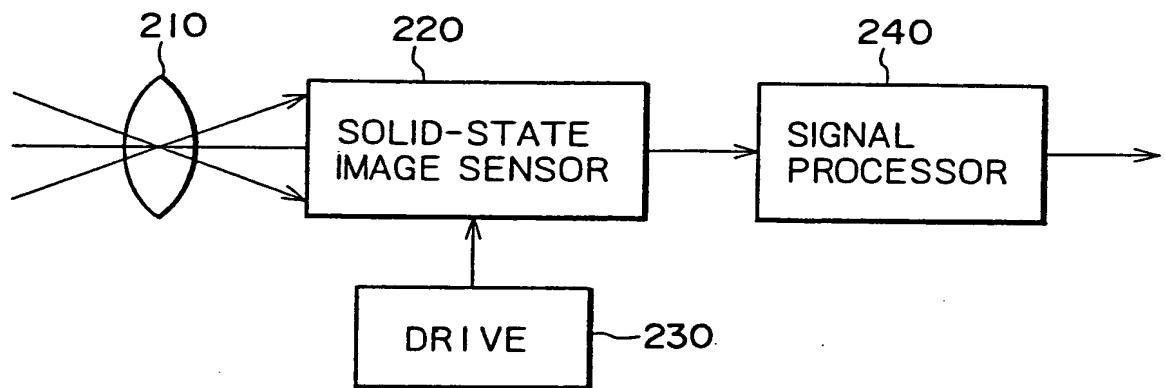


FIG. 12



F I G. 13



F I G. 14 (RELATED ART)

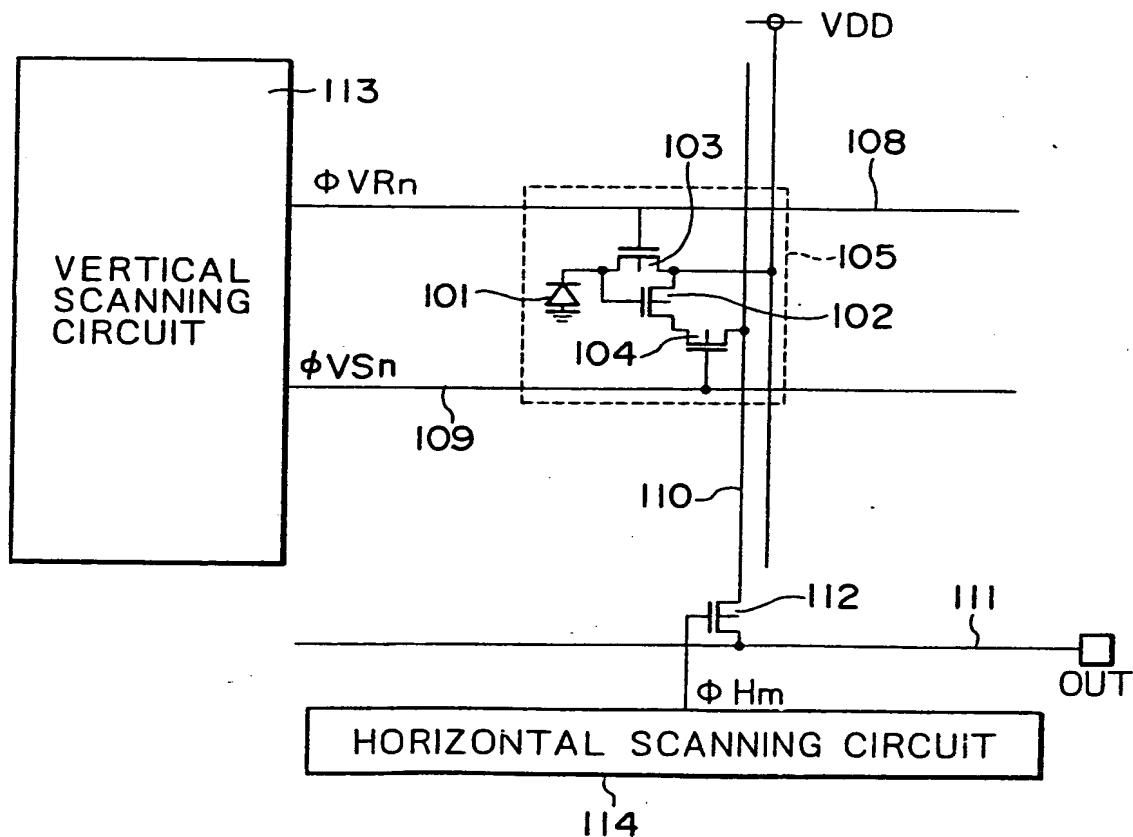


FIG. 15

